Manitoba
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MANITOBA MIGRATION STATISTICS

1979 - 1989

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Manitoba
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EXECUTIVE SUMMARY

Migration is the most volatile component of population growth in Manitoba, and has had the greatest impact on the year-to-year change in the population of the province and its eight economic regions over the last 10 years.

This report presents information on migration for the ten year period 1979-80 through 1988-89. Comparisons are made throughout the report between the first 5 year and the second 5 year periods.

The migration data were obtained from Statistics Canada's Small Area and Administrative Data Division and were derived from changes of address on personal income tax forms filed with Revenue Canada Taxation.

This report concentrates on levels of migration to Manitoba and its eight economic regions by: (i) Type; (ii) Age of Migrant; and (iii) Origin.

Some of the highlights of this report are:

(1) International Net Migration for Manitoba has varied from a high of 4,900 in 1979-80 to a low of 2,247 in 1986-87, with the annual average being 3,204.

(2) Interprovincial Net Migration has varied from a low of -13,864 in 1979-80 to a high of 2,544 in 1982-83, with the annual average being -4,385.

(3) Total Net Migration has varied from a low of -8,964 in 1979-80 to a high of 5,620 in 1982-83, with the annual average being -1,181.

(4) Intraprovincial Net Migration varied greatly with year and region. Average Intraprovincial Net Migration for the 10 year period ranged from an annual gain of 639 in Winnipeg to an annual loss of -733 in the North.

(5) Total Net Migration fluctuated greatly by age. The ten year average ranged from a loss of -861 for those aged 25-44 to a gain of 17 for those aged 18-24 years. For seniors (aged 65+), the average annual loss was -5 with an average annual gain of 118 in the first 5 years and an average annual loss of -128 in the second 5 year period.

(6) Total Net Migration also fluctuated by origin. Average annual Total Net Migration from other parts of Canada varied from a loss of -2,221 to British Columbia to a gain of 120 from Quebec.

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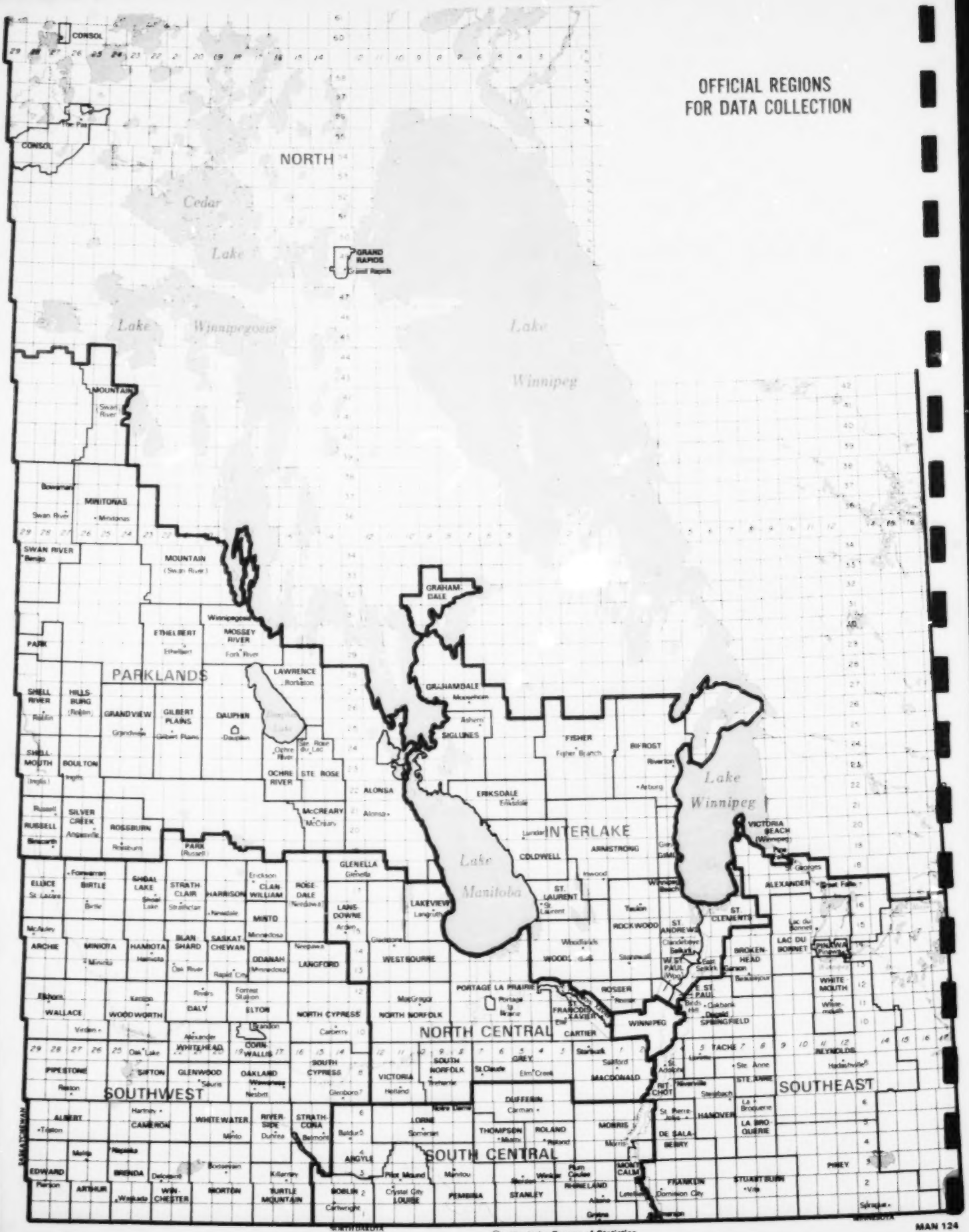
OFFICIAL REGIONS FOR DATA COLLECTION



Cartography by: Surveys and Mapping Branch, Manitoba-1984

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INTRODUCTION

This report presents information on migration to Manitoba's economic regions for the period 1979-80 through 1988-89. This report presents the level of migration for all regions, over the ten year period, on the basis of:

(1) Type (international, interprovincial, and intraprovincial)
(2) Age (0-17, 18-24, 25-44, 45-64, and 65+)
(3) Origin (Region, Province/Territory, and Foreign)

International migration is the movement of population between Manitoba and another country. Interprovincial migration is the movement between Manitoba and another province or territory in Canada, while intraprovincial migration is the movement between regions within Manitoba.

The estimates of international migration in this report are based on preliminary immigration figures from Canada Employment and Immigration Commission. Final immigration figures are available at the provincial level but have not been produced on an age group basis at the regional level.

The regions used in this report are the Official Regions for Data Collection (economic regions) which are aggregates of the 23 census divisions as follows:

OFFICIAL REGION FOR DATA COLLECTION	ECONOMIC REGION	CENSUS DIVISIONS
Southeast	60	1, 2, 12
South Central	61	3, 4
Southwest	62	5, 6, 7, 15
North Central	63	8, 9, 10
Winnipeg	64	11
Interlake	65	13, 14, 18
Parklands	66	16, 17, 20
North	67	19, 21, 22, 23

The migration data were obtained from Statistics Canada's Small Area and Administrative Data Division and were derived from changes of address on individual income tax returns. The reference period used is a census year, which runs from June 1 - May 31. A description of the methodology used in preparing these migration estimates is presented in Appendix D.

To obtain additional migration information on a regional or census division basis, contact David Greenwood at 945-2989.

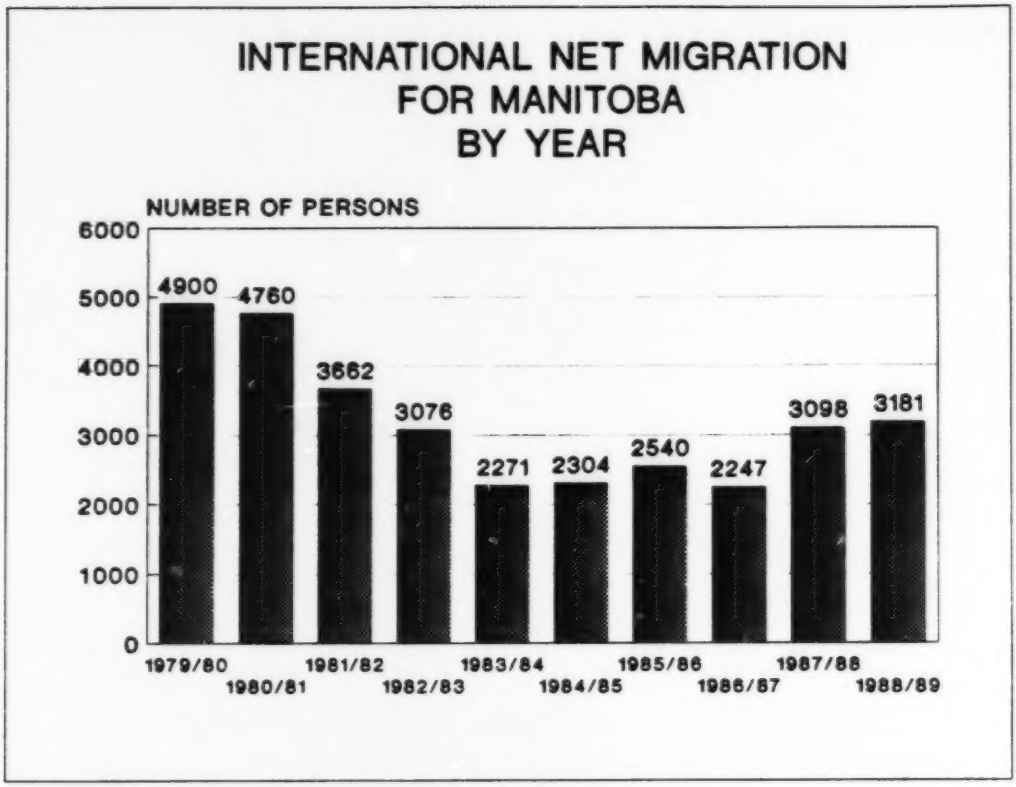

TABLE 1. ESTIMATED INTERNATIONAL NET MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	171	195	251	78	4082	49	59	15	4900
1980 - 1981	244	169	228	36	3922	68	41	52	4760
1981 - 1982	218	75	190	37	2854	69	32	187	3662
1982 - 1983	165	97	168	69	2410	38	58	71	3076
1983 - 1984	115	67	18	19	1950	68	22	12	2271
1984 - 1985	107	126	110	42	1811	30	40	38	2304
1985 - 1986	58	130	-53	12	2304	36	21	32	2540
1986 - 1987	137	209	-44	-24	1960	-3	-9	21	2247
1987 - 1988	137	270	-4	44	2666	-30	0	15	3098
1988 - 1989	121	232	-14	19	2760	16	16	31	3181
1979-84 AVERAGE	183	121	171	48	3044	58	42	67	3734
1984-89 AVERAGE	112	193	-1	19	2300	10	14	27	2674
1979-89 AVERAGE	147	157	85	33	2672	34	28	47	3204

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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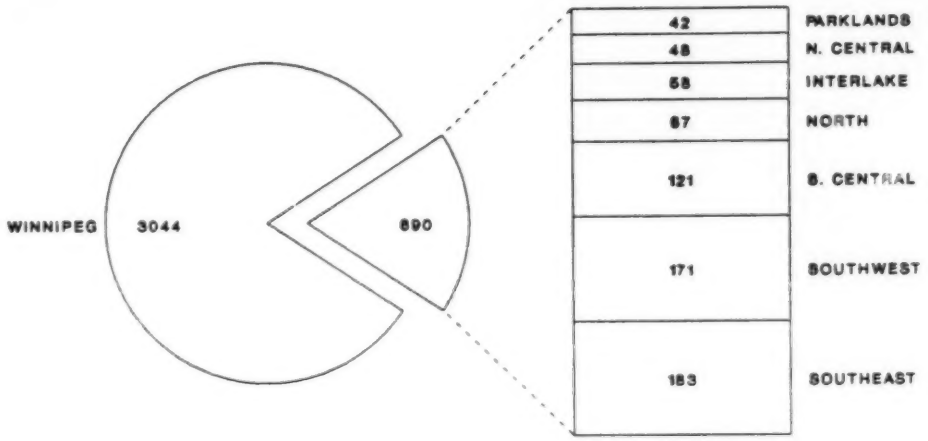
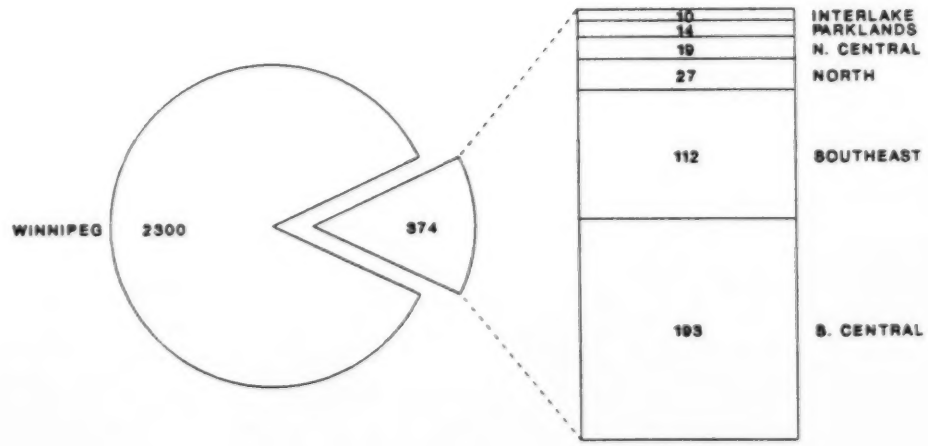
INTERNATIONAL NET MIGRATION FOR MANITOBA 1979/80 - 1983/84 AVERAGE



INTERNATIONAL NET MIGRATION FOR MANITOBA 1984/85 - 1988/89 AVERAGE



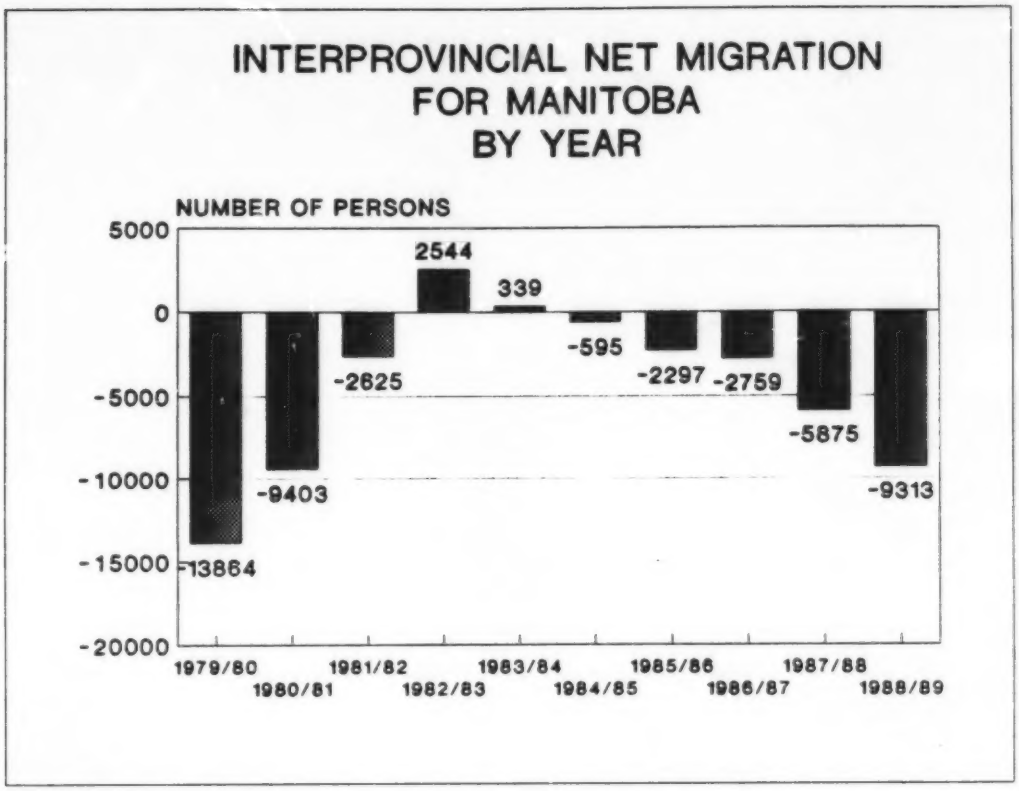


TABLE 2. ESTIMATED INTERPROVINCIAL NET MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	-833	-186	-1564	-424	-8039	-550	-613	-1655	-13864
1980 - 1981	-510	-380	-1183	-422	-5353	-458	-449	-648	-9403
1981 - 1982	-93	-225	-563	-113	-774	-1	131	-987	-2625
1982 - 1983	235	112	646	157	1234	260	436	-536	2544
1983 - 1984	44	126	226	43	-285	129	74	-18	339
1984 - 1985	182	25	-64	-138	-468	7	12	-151	-595
1985 - 1986	115	31	-370	-47	-1248	144	-186	-736	-2297
1986 - 1987	-238	-28	-470	-5	-1088	-160	51	-821	-2759
1987 - 1988	53	-64	-584	-258	-3756	-354	-133	-779	-5875
1988 - 1989	-312	-273	-1074	-356	-6330	-189	-158	-621	-9313
1979-84 AVERAGE	-231	-111	-488	-152	-2643	-124	-84	-769	-4602
1984-89 AVERAGE	-40	-62	-512	-161	-2578	-110	-83	-622	-4168
1979-89 AVERAGE	-136	-86	-500	-156	-2611	-117	-84	-695	-4385

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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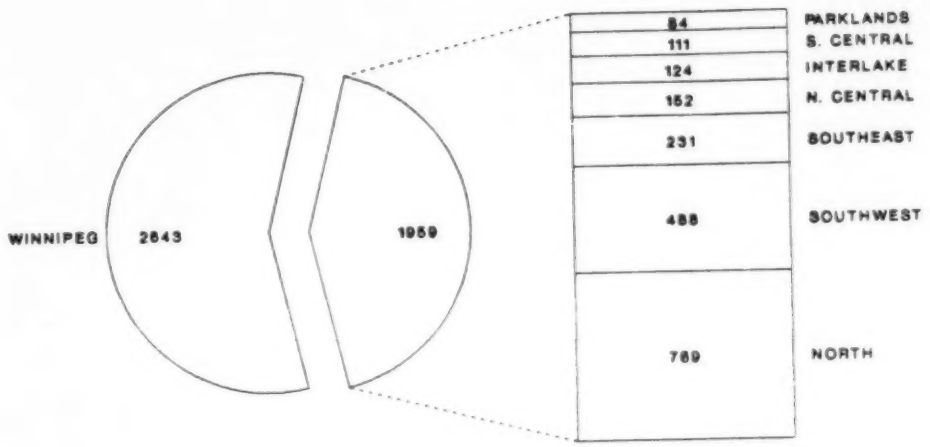
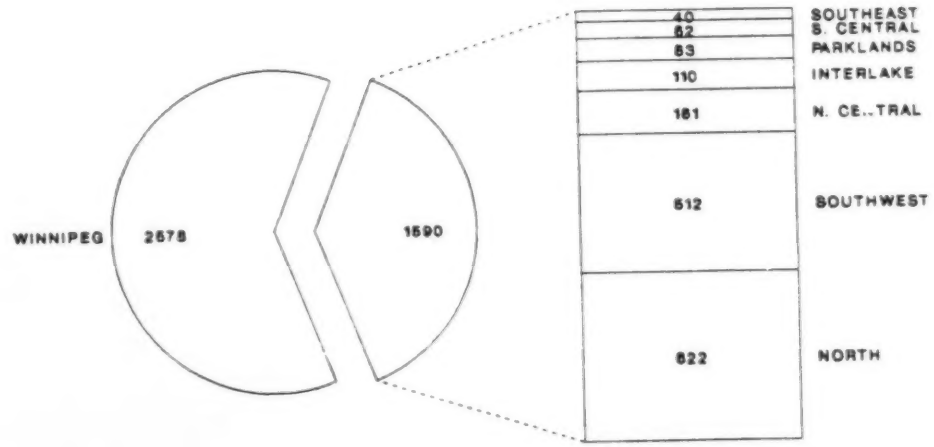
INTERPROVINCIAL NET MIGRATION
FOR MANITOBA
1979/80 - 1983/84 AVERAGE



NOTE: ALL FIGURES ARE NEGATIVE

INTERPROVINCIAL NET MIGRATION
FOR MANITOBA
1984/85 - 1988/89 AVERAGE



NOTE: ALL FIGURES ARE NEGATIVE

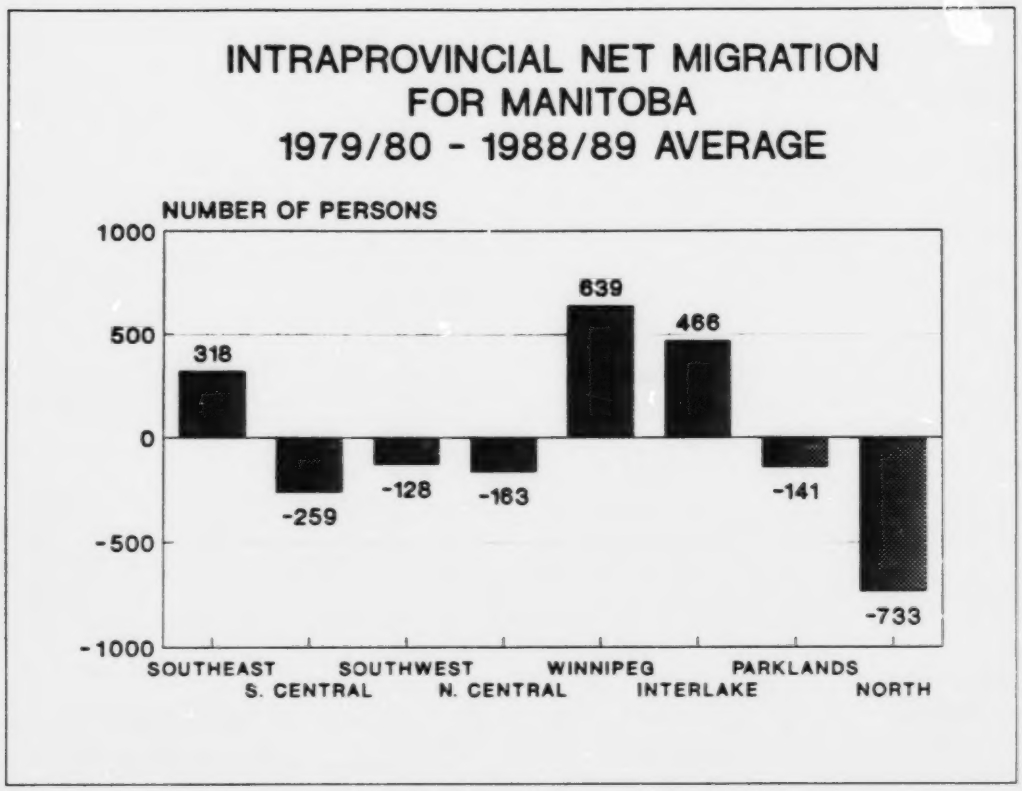


TABLE 3. ESTIMATED INTRAPROVINCIAL NET MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	76	-63	-207	-380	1741	-83	-75	-1009	0
1980 - 1981	-371	-429	-132	-19	1749	-152	-240	-406	0
1981 - 1982	-109	-41	-194	-242	1310	451	82	-1257	0
1982 - 1983	112	-211	299	-80	93	392	125	-730	0
1983 - 1984	375	357	-293	-100	183	609	164	-581	0
1984 - 1985	244	-160	-119	59	405	426	-95	-760	0
1985 - 1986	496	-318	-52	-348	272	548	-551	-47	0
1986 - 1987	863	-224	-3	-215	155	728	-245	-1059	0
1987 - 1988	817	-349	-436	-88	116	1159	-280	-939	0
1988 - 1989	681	-435	-141	-217	369	584	-299	-542	0
									0
1979-84 AVERAGE	17	-220	-105	-164	1015	243	11	-797	0
1984-89 AVERAGE	620	-297	-150	-162	263	689	-294	-669	0
1979-89 AVERAGE	318	-259	-128	-163	639	466	-141	-733	0

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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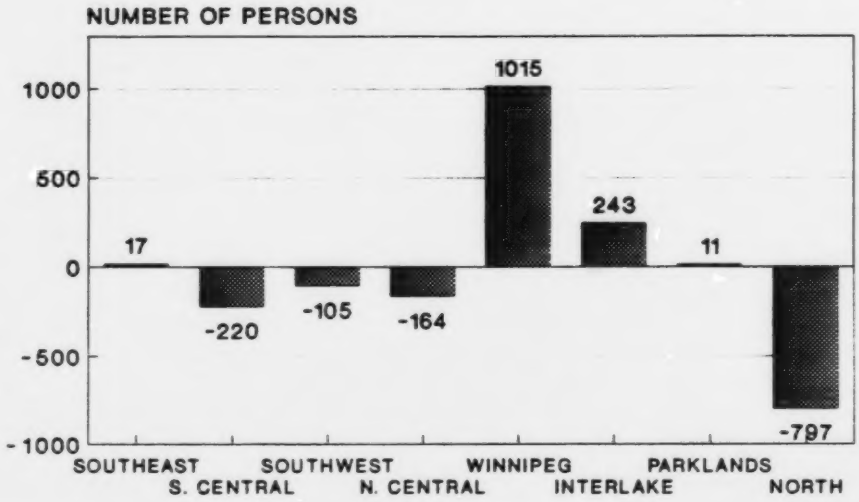
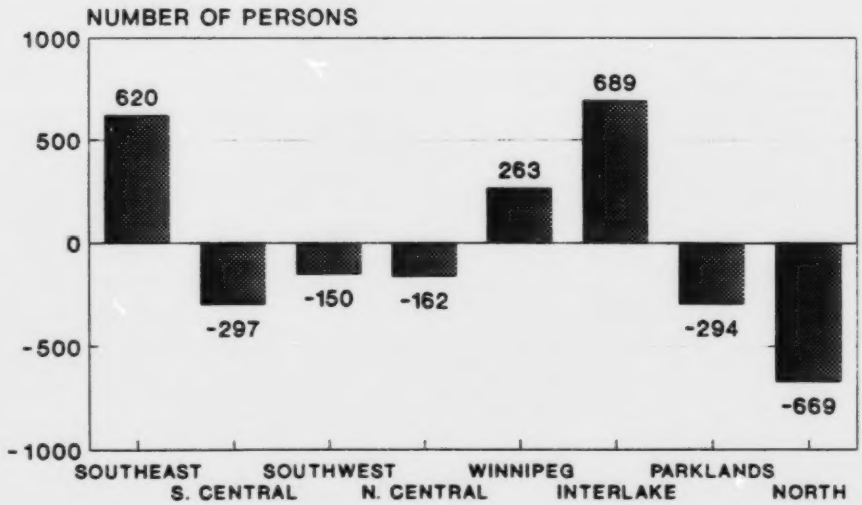
INTRAPROVINCIAL NET MIGRATION FOR MANITOBA 1979/80 - 1983/84 AVERAGE



INTRAPROVINCIAL NET MIGRATION FOR MANITOBA 1984/85 - 1988/89 AVERAGE



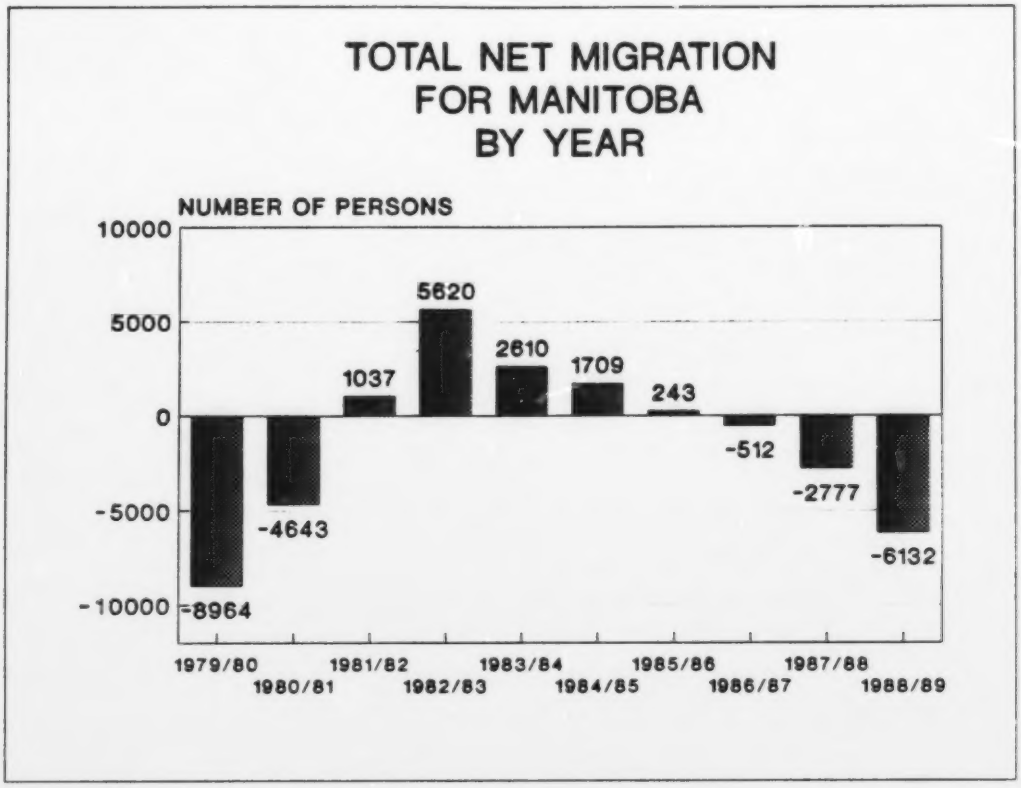


TABLE 4. ESTIMATED TOTAL NET MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	-586	-54	-1520	-726	-2216	-584	-629	-2649	-8964
1980 - 1981	-637	-640	-1087	-405	318	-542	-648	-1002	-4643
1981 - 1982	16	-191	-567	-318	3390	519	245	-2057	1037
1982 - 1983	512	-2	1113	146	3737	690	619	-1195	5620
1983 - 1984	534	-164	-49	-38	1848	806	260	-587	2610
1984 - 1985	533	-9	-73	-37	1748	463	-43	-873	1709
1985 - 1986	669	-157	-475	-383	1328	728	-716	-751	243
1986 - 1987	762	-43	-517	-244	1027	565	-203	-1859	-512
1987 - 1988	1007	-143	-1024	-302	-974	775	-413	-1703	-2777
1988 - 1989	490	-476	-1229	-554	-3201	411	-441	-1132	-6132
1979-84 AVERAGE	-32	-210	-422	-268	1415	178	-31	-1498	-868
1984-89 AVERAGE	692	-166	-664	-304	-14	588	-363	-1264	-1494
1979-89 AVERAGE	330	-188	-543	-286	701	383	-197	-1381	-1181

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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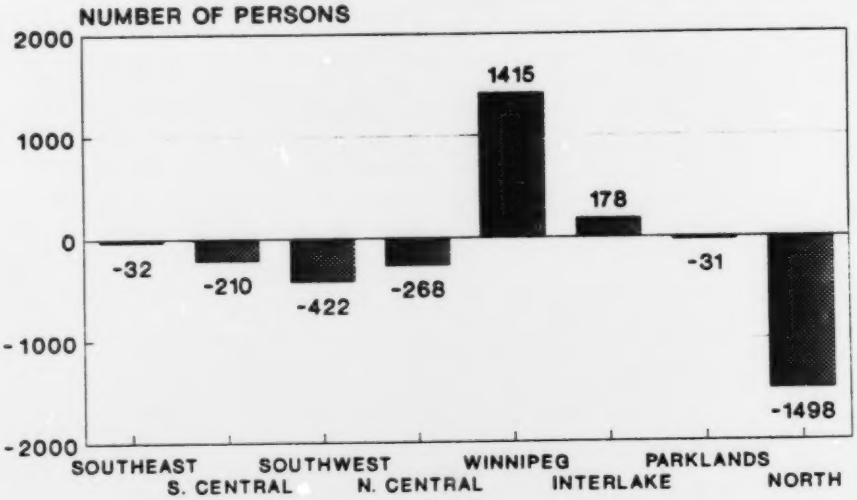
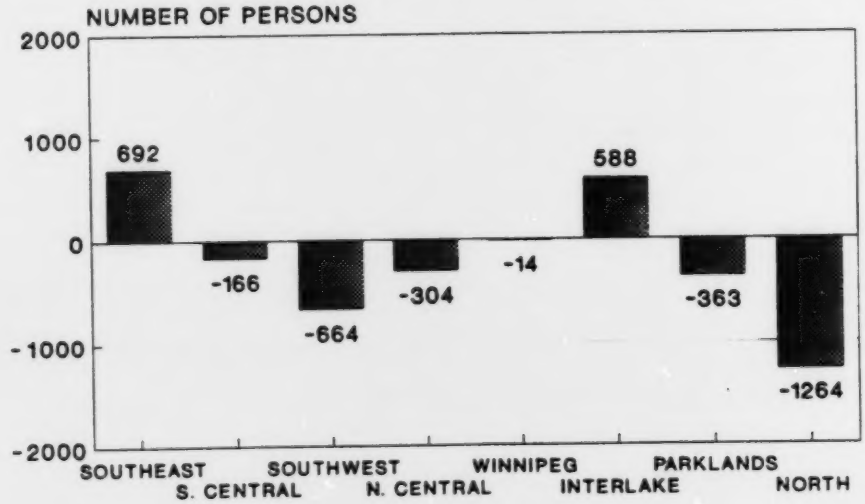
TOTAL NET MIGRATION
FOR MANITOBA
1979/80 - 1983/84 AVERAGE



TOTAL NET MIGRATION
FOR MANITOBA
1984/85 - 1988/89 AVERAGE



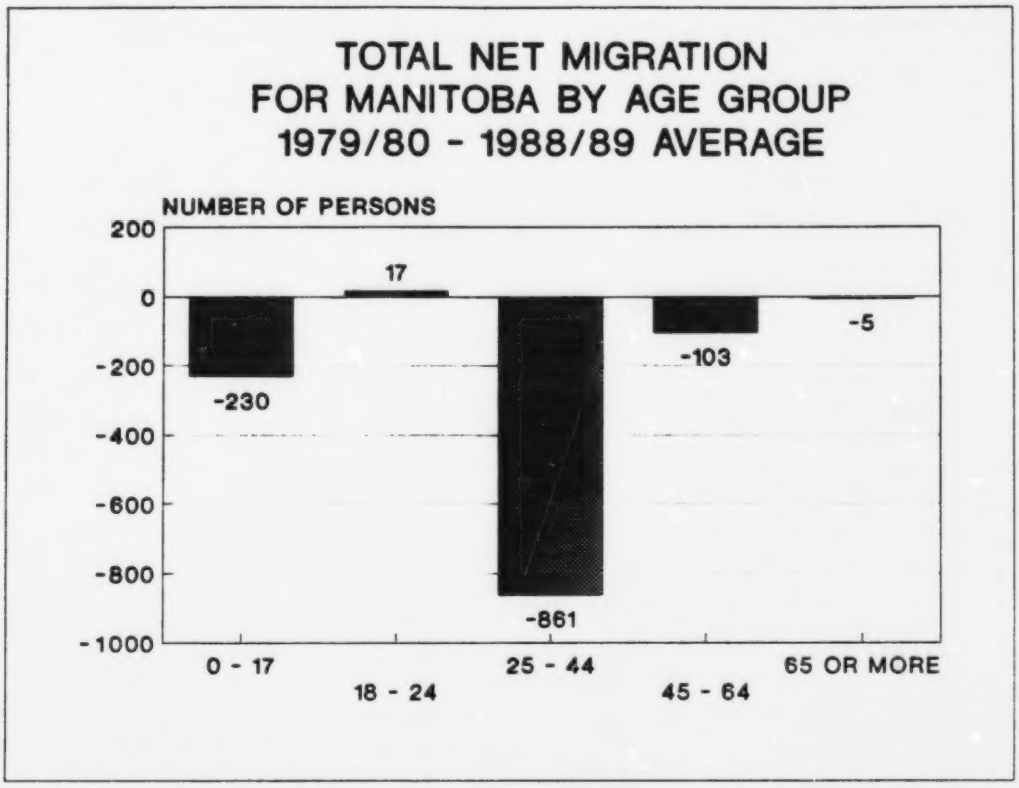


TABLE 5. ESTIMATED TOTAL NET MIGRATION FOR MANITOBA BY YEAR AND AGE GROUP

CENSUS YEAR	0 - 17	18 - 24	25 - 44	45 - 64	65 +	TOTAL
1979 - 1980	-2131	-1689	-4471	-537	-136	-8964
1980 - 1981	-989	-1149	-2582	-70	147	-4643
1981 - 1982	390	56	31	286	274	1037
1982 - 1983	1410	1732	1730	497	251	5620
1983 - 1984	737	942	653	222	56	2610
1984 - 1985	341	667	630	25	46	1709
1985 - 1986	-61	585	-241	26	-66	243
1986 - 1987	-74	327	-243	-270	-252	-512
1987 - 1988	-650	-146	-1289	-469	-223	-2777
1988 - 1989	-1270	-1151	-2823	-744	-144	-6132
1979-84 AVERAGE	-117	-22	-928	80	118	-868
1984-89 AVERAGE	-343	56	-793	-286	-128	-1494
1979-89 AVERAGE	-230	17	-861	-103	-5	-1181

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
MANITOBA BUREAU OF STATISTICS

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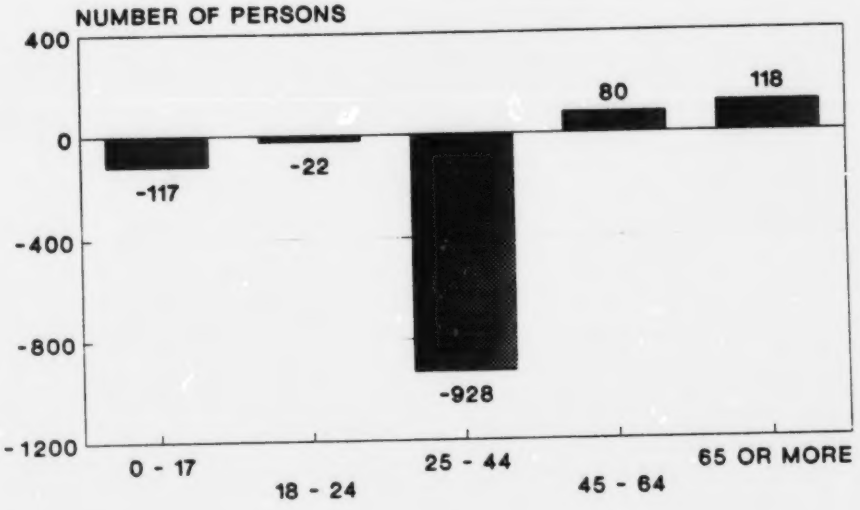
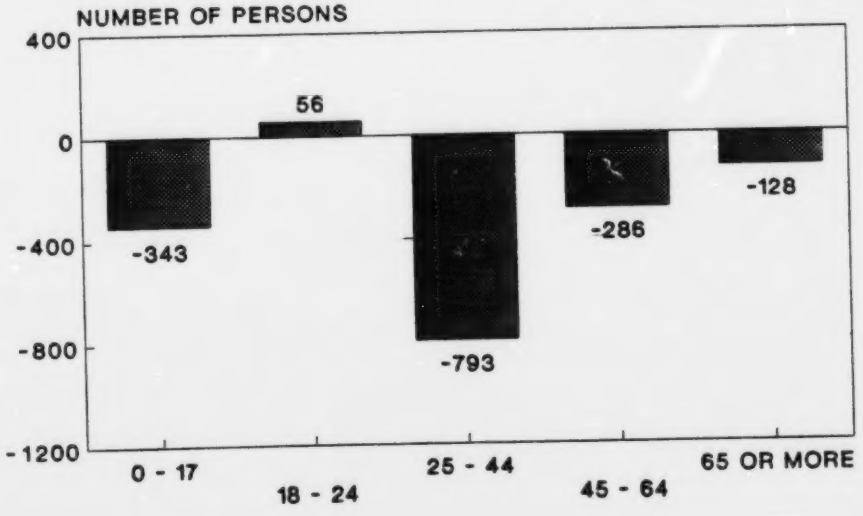
TOTAL NET MIGRATION FOR MANITOBA BY AGE GROUP 1979/80 - 1983/84 AVERAGE



TOTAL NET MIGRATION FOR MANITOBA BY AGE GROUP 1984/85 - 1988/89 AVERAGE



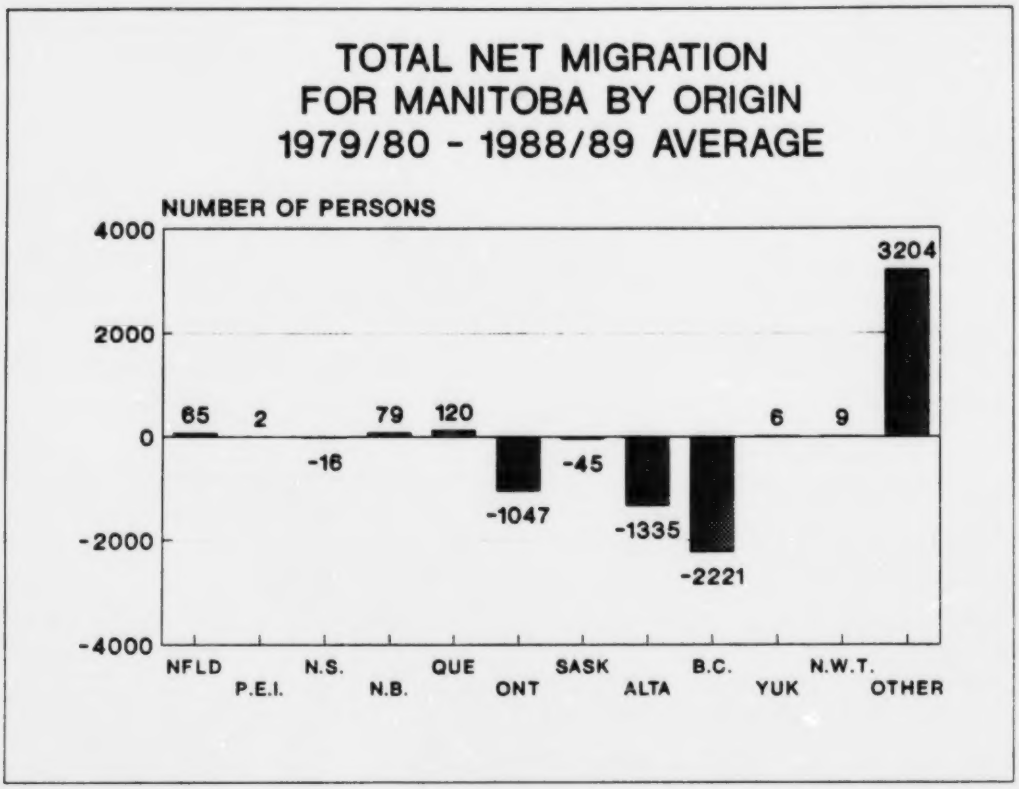


TABLE 6. ESTIMATED TOTAL NET MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1979/80 TO 1988/89 AVERAGE

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	1	0	11	-2	30	2	1	23	65
P. E. I.	-3	1	3	4	-3	0	0	0	2
NOVA SCOTIA	-3	-1	3	-13	8	-7	2	-5	-16
NEW BRUNSWICK	4	-2	4	2	82	3	-3	-12	79
QUEBEC	-1	3	20	8	89	1	3	-2	120
ONTARIO	-3	27	-64	-49	-722	-28	-1	-207	-1047
MANITOBA	318	-259	-128	-163	639	466	-141	-733	0
SASKATCHEWAN	5	-23	-102	-5	210	5	-19	-117	-45
ALBERTA	-58	-52	-224	-67	-695	-21	-40	-179	-1335
BRITISH COLUMBIA	-77	-40	-147	-35	-1636	-77	-30	-180	-2221
YUKON	-3	-1	0	3	7	0	3	-3	6
N. W. T.	2	0	-3	-2	20	4	1	-13	9
OTHER	147	157	85	33	2672	34	28	47	3204
TOTAL	330	-188	-543	-286	701	383	-197	-1381	-1181

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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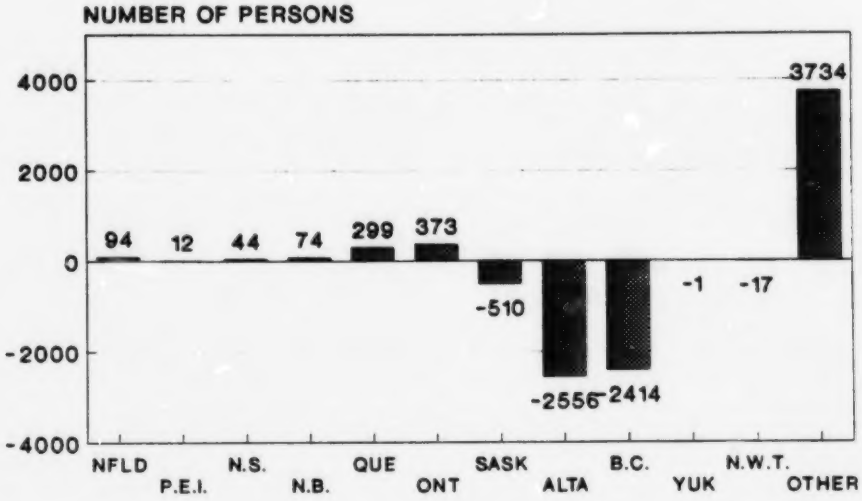
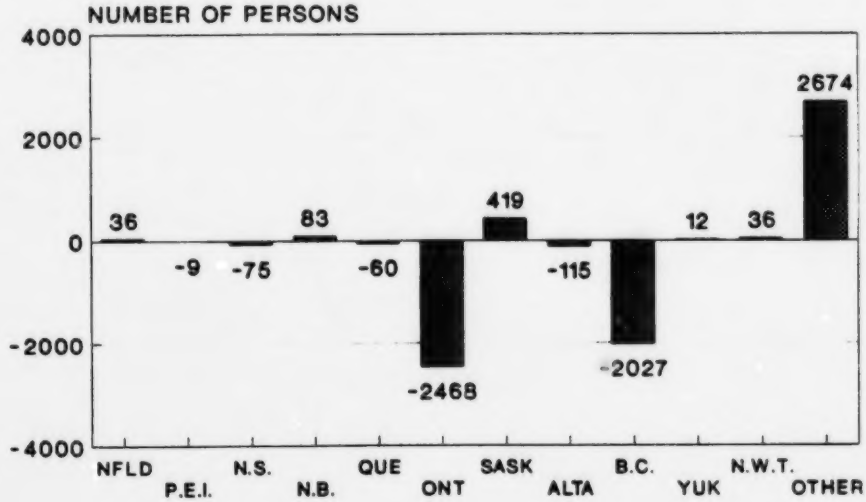
TOTAL NET MIGRATION FOR MANITOBA BY ORIGIN 1979/80 - 1983/84 AVERAGE



TOTAL NET MIGRATION FOR MANITOBA BY ORIGIN 1984/85 - 1988/89 AVERAGE



APPENDIX A

MIGRATION FLOWS BY TYPE

TABLE A1. ESTIMATED IMMIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	280	235	421	126	5450	90	87	146	6835
1980 - 1981	325	205	353	105	5221	120	49	175	6553
1981 - 1982	277	95	349	70	4046	100	47	235	5219
1982 - 1983	225	136	273	100	3542	97	65	116	4554
1983 - 1984	197	98	208	94	3147	110	34	51	3939
1984 - 1985	148	152	243	69	2798	47	45	57	3559
1985 - 1986	115	135	276	48	3113	47	41	64	3839
1986 - 1987	195	221	203	58	3271	39	16	77	4080
1987 - 1988	204	290	219	118	3849	41	16	53	4790
1988 - 1989	160	262	159	74	4086	27	25	72	4865

TABLE A2. ESTIMATED EMIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	109	40	170	48	1368	41	28	131	1935
1980 - 1981	81	36	125	69	1299	52	8	123	1793
1981 - 1982	59	20	159	33	1192	31	15	48	1557
1982 - 1983	60	39	105	31	1132	59	7	45	1478
1983 - 1984	82	31	190	75	1197	42	12	39	1668
1984 - 1985	41	26	133	27	987	17	5	19	1255
1985 - 1986	57	5	329	36	809	11	20	32	1299
1986 - 1987	58	12	247	82	1311	42	25	56	1833
1987 - 1988	67	20	223	74	1183	71	16	38	1692
1988 - 1989	39	30	173	55	1326	11	9	41	1684

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
MANITOBA BUREAU OF STATISTICS

May 1991

TABLE A3. ESTIMATED INTERPROVINCIAL IN-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	697	459	1615	779	11589	621	645	2285	18690
1980 - 1981	944	401	1928	781	12446	676	766	2526	20468
1981 - 1982	986	551	2331	897	13144	736	904	2052	21601
1982 - 1983	1030	548	2349	900	12147	804	1052	1624	20454
1983 - 1984	782	473	2009	775	10671	630	684	1707	17731
1984 - 1985	833	435	1928	604	10559	548	618	1457	16982
1985 - 1986	834	411	1805	665	11047	692	547	1309	17310
1986 - 1987	749	394	1882	755	11600	486	661	1317	17844
1987 - 1988	766	401	1774	686	11280	572	548	1539	17566
1988 - 1989	687	346	1843	600	9945	618	596	1449	16084

TABLE A4. ESTIMATED INTERPROVINCIAL OUT-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	1530	645	3179	1203	19628	1171	1258	3940	32554
1980 - 1981	1454	781	3111	1203	17799	1134	1215	3174	29871
1981 - 1982	1079	776	2894	1010	13918	737	773	3039	24226
1982 - 1983	795	436	1703	743	10913	544	616	2160	17910
1983 - 1984	738	347	1783	732	10956	501	610	1725	17392
1984 - 1985	651	410	1992	742	11027	541	606	1608	17577
1985 - 1986	719	380	2175	712	12295	548	733	2045	19607
1986 - 1987	987	422	2352	760	12688	646	610	2138	20603
1987 - 1988	713	465	2358	944	15036	926	681	2318	23441
1988 - 1989	999	619	2917	956	16275	807	754	2070	25397

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE A5. ESTIMATED INTRAPROVINCIAL IN-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	3066	1751	3699	1728	9022	2802	1900	3002	26970
1980 - 1981	2809	1456	3563	1881	8751	2633	1685	3145	25923
1981 - 1982	2758	1215	3292	1560	8552	2894	1646	2593	24510
1982 - 1983	2624	1079	3189	1488	7008	2517	1513	2371	21789
1983 - 1984	2975	1043	2775	1412	7143	2556	1337	1990	21231
1984 - 1985	2988	1131	3062	1481	7547	2586	1317	1840	21952
1985 - 1986	3446	1339	3396	1458	8512	3069	1331	3164	25715
1986 - 1987	3766	1230	3881	1520	9390	3449	1678	3647	28561
1987 - 1988	3798	1095	3479	1642	9654	3954	1820	3772	29214
1988 - 1989	3689	1245	3967	1638	9791	3608	1720	4508	30166

TABLE A6. ESTIMATED INTRAPROVINCIAL OUT-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	2990	1814	3906	2108	7281	2885	1975	4011	26970
1980 - 1981	3180	1885	3695	1900	7002	2785	1925	3551	25923
1981 - 1982	2867	1256	3486	1802	7242	2443	1564	3850	24510
1982 - 1983	2512	1290	2890	1568	6915	2125	1388	3101	21789
1983 - 1984	2600	1400	3068	1512	6960	1947	1173	2571	21231
1984 - 1985	2744	1291	3181	1422	7142	2160	1412	2600	21952
1985 - 1986	2950	1657	3448	1806	8240	2521	1882	3211	25715
1986 - 1987	2903	1454	3884	1735	9235	2721	1923	4706	28561
1987 - 1988	2981	1444	3915	1730	9538	2795	2100	4711	29214
1988 - 1989	3008	1680	4108	1855	9422	3024	2019	5050	30166

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE A7. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	4043	2445	5735	2633	26061	3513	2632	5433	52495
1980 - 1981	4078	2062	5844	2767	26418	3429	2500	5846	52944
1981 - 1982	4021	1861	5972	2527	25742	3730	2597	4880	51330
1982 - 1983	3879	1763	5811	2488	22697	3418	2630	4111	46797
1983 - 1984	3954	1614	4992	2281	20961	3296	2055	3748	42901
1984 - 1985	3969	1718	5233	2154	20904	3181	1980	3354	42493
1985 - 1986	4395	1885	5477	2171	22672	3808	1919	4537	46864
1986 - 1987	4710	1845	5966	2333	24261	3974	2355	5041	50485
1987 - 1988	4768	1786	5472	2446	24783	4567	2384	5364	51570
1988 - 1989	4536	1853	5969	2312	23822	4253	2341	6029	51115

TABLE A8. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	4629	2499	7255	3359	28277	4097	3261	8082	61459
1980 - 1981	4715	2702	6931	3172	26100	3971	3148	6848	57587
1981 - 1982	4005	2052	6539	2845	22352	3211	2352	6937	50293
1982 - 1983	3367	1765	4698	2342	18960	2728	2011	5306	41177
1983 - 1984	3420	1778	5041	2319	19113	2490	1795	4335	40291
1984 - 1985	3436	1727	5306	2191	19156	2718	2023	4227	40784
1985 - 1986	3726	2042	5952	2554	21344	3080	2635	5288	46621
1986 - 1987	3948	1888	6483	2577	23234	3409	2558	6900	50997
1987 - 1988	3761	1929	6496	2748	25757	3792	2797	7067	54347
1988 - 1989	4046	2329	7198	2866	27023	3842	2782	7161	57247

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE A9. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY YEAR AND AGE GROUP

CENSUS YEAR	0 - 17	18 - 24	25 - 44	45 - 64	65 +	TOTAL
1979 - 1980	16515	13055	16392	4659	1874	52495
1980 - 1981	15911	13064	17041	4794	2134	52944
1981 - 1982	15718	12176	17269	4280	1887	51330
1982 - 1983	13521	11180	16070	4132	1894	46797
1983 - 1984	12077	10108	15125	3843	1748	42901
1984 - 1985	11602	9474	15552	3966	1899	42493
1985 - 1986	12968	10388	17287	4308	1913	46864
1986 - 1987	14768	10623	18687	4442	1965	50485
1987 - 1988	15504	10465	19062	4444	2095	51570
1988 - 1989	15097	10841	18783	4313	2081	51115

TABLE A10. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY YEAR AND AGE GROUP

CENSUS YEAR	0 - 17	18 - 24	25 - 44	45 - 64	65 +	TOTAL
1979 - 1980	18646	14744	20863	5196	2010	61459
1980 - 1981	16900	14213	19623	4864	1987	57587
1981 - 1982	15328	12120	17238	3994	1613	50293
1982 - 1983	12111	9448	14340	3635	1643	41177
1983 - 1984	11340	9166	14472	3621	1692	40291
1984 - 1985	11261	8807	14922	3941	1853	40784
1985 - 1986	13029	9803	17528	4282	1979	46621
1986 - 1987	14842	10296	18930	4712	2217	50997
1987 - 1988	16154	10611	20351	4913	2318	54347
1988 - 1989	16367	11992	21606	5057	2225	57247

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
MANITOBA BUREAU OF STATISTICS May 1991

APPENDIX B

MIGRATION FLOWS AGE GROUP

TABLE B1. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION: 0 - 17 YEARS OF AGE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	1287	809	1725	835	7968	1133	890	1868	16515
1980 - 1981	1243	634	1756	838	7662	999	812	1967	15911
1981 - 1982	1272	614	1814	837	7365	1199	909	1708	15718
1982 - 1983	1147	550	1658	792	6005	1020	887	1462	13521
1983 - 1984	1178	497	1430	700	5317	945	674	1336	12077
1984 - 1985	1164	528	1513	602	5156	944	619	1076	11602
1985 - 1986	1347	576	1506	629	5605	1135	585	1585	12968
1986 - 1987	1384	544	1837	713	6550	1108	787	1845	14768
1987 - 1988	1432	587	1688	731	6919	1377	814	1956	15504
1988 - 1989	1390	644	1833	685	6395	1218	759	2173	15097

TABLE B2. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION: 0 - 17 YEARS OF AGE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	1482	762	2127	1044	7964	1255	998	3014	18646
1980 - 1981	1462	839	1946	941	7165	1179	935	2433	16900
1981 - 1982	1301	666	2066	923	5981	1035	767	2589	15328
1982 - 1983	1076	611	1386	686	5047	779	623	1903	12111
1983 - 1984	1054	555	1432	672	4931	658	519	1519	11340
1984 - 1985	977	493	1496	611	4954	686	572	1472	11261
1985 - 1986	1046	619	1635	686	5604	809	804	1826	13029
1986 - 1987	1176	583	1797	734	6039	975	839	2699	14842
1987 - 1988	1139	600	1997	796	6868	1135	853	2766	16154
1988 - 1989	1200	736	2102	822	6631	1093	884	2899	16367

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE B3. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION: 18 - 24 YEARS OF AGE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	901	553	1517	616	6568	719	593	1588	13055
1980 - 1981	941	482	1528	679	6413	740	597	1684	13064
1981 - 1982	854	456	1482	572	6301	729	535	1247	12176
1982 - 1983	897	398	1551	591	5519	688	580	956	11180
1983 - 1984	845	376	1268	532	5194	618	436	839	10108
1984 - 1985	686	371	1244	476	5046	530	361	760	9474
1985 - 1986	759	406	1390	462	5545	560	368	898	10388
1986 - 1987	743	404	1316	507	5552	650	472	979	10623
1987 - 1988	796	347	1220	508	5390	664	439	1101	10465
1988 - 1989	789	332	1322	513	5410	667	485	1323	10841

TABLE B4. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION: 18 - 24 YEARS OF AGE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	1164	669	2033	885	6441	982	871	1699	14744
1980 - 1981	1160	705	1953	823	6150	958	904	1560	14213
1981 - 1982	909	533	1685	715	5362	733	375	1608	12120
1982 - 1983	749	439	1225	568	4280	605	461	1121	9448
1983 - 1984	771	476	1367	582	4050	603	463	854	9166
1984 - 1985	821	481	1302	534	3743	651	492	783	8807
1985 - 1986	818	524	1420	681	3945	723	667	1025	9803
1986 - 1987	850	457	1624	620	4194	746	579	1226	10296
1987 - 1988	745	465	1521	614	4578	762	721	1205	10611
1988 - 1989	908	592	1797	686	5252	839	660	1258	11992

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE B5. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION: 25 - 44 YEARS OF AGE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	1329	739	1748	859	8161	1164	787	1605	16392
1980 - 1981	1356	632	1792	887	8724	1132	730	1788	17041
1981 - 1982	1391	600	1952	864	8705	1267	851	1639	17269
1982 - 1983	1347	546	1855	820	8063	1198	852	1389	16070
1983 - 1984	1386	547	1692	820	7505	1227	674	1274	15125
1984 - 1985	1533	599	1796	768	7768	1188	701	1199	15552
1985 - 1986	1696	662	1891	781	8460	1488	674	1635	17287
1986 - 1987	1845	655	2042	883	9176	1532	779	1775	18687
1987 - 1988	1844	615	1908	923	9353	1693	837	1889	19062
1988 - 1989	1745	584	2034	819	9114	1636	783	2068	18783

TABLE B6. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION: 25 - 44 YEARS OF AGE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	1407	712	2188	1032	10599	1249	963	2713	20863
1980 - 1981	1559	797	2191	1014	9629	1309	880	2244	19623
1981 - 1982	1282	621	2097	928	8380	1022	710	2198	17238
1982 - 1983	1059	511	1464	778	7215	911	635	1767	14340
1983 - 1984	1137	509	1639	772	7547	818	546	1504	14472
1984 - 1985	1145	521	1776	789	7586	935	633	1537	14922
1985 - 1986	1304	622	2141	893	8762	1048	846	1912	17528
1986 - 1987	1332	599	2243	919	9584	1149	809	2295	18930
1987 - 1988	1339	620	2254	992	10546	1322	851	2427	20351
1988 - 1989	1329	713	2474	1029	11507	1298	886	2370	21606

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE B7. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION: 45 - 64 YEARS OF AGE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	384	249	506	214	2414	349	243	300	4659
1980 - 1981	402	204	487	250	2499	411	240	301	4794
1981 - 1982	379	129	484	170	2315	364	201	238	4280
1982 - 1983	345	177	460	179	2154	361	216	240	4132
1983 - 1984	390	133	397	161	1990	365	167	240	3843
1984 - 1985	404	145	444	205	1963	376	181	248	3966
1985 - 1986	416	164	432	204	2096	452	203	341	4308
1986 - 1987	533	171	515	149	2068	455	202	349	4442
1987 - 1988	464	144	416	163	2120	595	196	346	4444
1988 - 1989	434	173	482	198	1913	527	201	385	4313

TABLE B8. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION: 45 - 64 YEARS OF AGE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	398	236	624	267	2431	411	287	542	5196
1980 - 1981	371	220	556	265	2352	340	286	474	4864
1981 - 1982	328	149	480	180	1948	270	185	454	3994
1982 - 1983	311	122	403	197	1746	269	183	404	3635
1983 - 1984	290	139	395	175	1841	265	144	372	3621
1984 - 1985	309	133	461	163	2076	298	171	330	3941
1985 - 1986	352	163	466	203	2159	334	183	422	4282
1986 - 1987	394	148	524	200	2356	334	209	547	4712
1987 - 1988	346	140	456	220	2636	359	224	532	4913
1988 - 1989	376	181	542	220	2612	375	234	517	5057

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
MANITOBA BUREAU OF STATISTICS

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TABLE B9. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION: 65 YEARS OF AGE OR MORE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	142	95	239	109	950	148	119	72	1874
1980 - 1981	136	110	281	113	1120	147	121	106	2134
1981 - 1982	125	62	240	84	1056	171	101	48	1887
1982 - 1983	143	92	287	106	956	151	95	64	1894
1983 - 1984	155	61	205	68	955	141	104	59	1748
1984 - 1985	182	75	236	103	971	143	118	71	1899
1985 - 1986	177	77	258	95	966	173	89	78	1913
1986 - 1987	205	71	256	81	915	229	115	93	1965
1987 - 1988	232	93	240	121	1001	238	98	72	2095
1988 - 1989	178	120	298	97	990	205	113	80	2081

TABLE B10. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION: 65 YEARS OF AGE OR MORE

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	178	120	283	131	842	200	142	114	2010
1980 - 1981	163	141	285	129	804	185	143	137	1987
1981 - 1982	185	83	211	99	681	151	115	88	1613
1982 - 1983	172	82	220	113	672	164	109	111	1643
1983 - 1984	168	99	208	118	744	146	123	86	1692
1984 - 1985	184	99	271	94	797	148	155	105	1853
1985 - 1986	206	114	290	91	874	166	135	103	1979
1986 - 1987	196	101	295	104	1061	205	122	133	2217
1987 - 1988	192	104	268	126	1129	214	148	137	2318
1988 - 1989	233	107	283	109	1021	237	118	117	2225

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
MANITOBA BUREAU OF STATISTICS

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TABLE B11. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION: ALL AGES

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	4043	2445	5735	2633	26061	3513	2632	5433	52495
1980 - 1981	4078	2062	5844	2767	26418	3429	2500	5846	52944
1981 - 1982	4021	1861	5972	2527	25742	3730	2597	4880	51330
1982 - 1983	3879	1763	5811	2488	22697	3418	2630	4111	46797
1983 - 1984	3954	1614	4992	2281	20961	3296	2055	3748	42901
1984 - 1985	3969	1718	5233	2154	20904	3181	1980	3354	42493
1985 - 1986	4395	1885	5477	2171	22672	3808	1919	4537	46864
1986 - 1987	4710	1845	5966	2333	24261	3974	2355	5041	50485
1987 - 1988	4768	1786	5472	2446	24783	4567	2384	5364	51570
1988 - 1989	4536	1853	5969	2312	23822	4253	2341	6029	51115

TABLE B12. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY YEAR AND ECONOMIC REGION: ALL AGES

CENSUS YEAR	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
1979 - 1980	4629	2499	7255	3359	28277	4097	3261	8082	61459
1980 - 1981	4715	2702	6931	3172	26100	3971	3148	6848	57587
1981 - 1982	4005	2052	6539	2845	22352	3211	2352	6937	50293
1982 - 1983	3367	1765	4698	2342	18960	2728	2011	5306	41177
1983 - 1984	3420	1778	5041	2319	19113	2490	1795	4335	40291
1984 - 1985	3436	1727	5306	2191	19156	2718	2023	4227	40784
1985 - 1986	3726	2042	5952	2554	21344	3080	2635	5288	46621
1986 - 1987	3948	1888	6483	2577	23234	3409	2558	6900	50997
1987 - 1988	3761	1929	6496	2748	25757	3792	2797	7067	54347
1988 - 1989	4046	2329	7198	2866	27023	3842	2782	7161	57247

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
MANITOBA BUREAU OF STATISTICS

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APPENDIX C

MIGRATION FLOWS BY ORIGIN

TABLE C1. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1979 - 1980

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	7	6	30	7	157	9	0	381	597
P. E. I.	1	5	10	14	29	1	0	10	70
NOVA SCOTIA	20	2	29	63	412	25	6	109	666
NEW BRUNSWICK	16	1	92	22	261	20	3	64	479
QUEBEC	24	12	39	41	871	28	3	62	1080
ONTARIO	266	166	409	182	4664	158	117	708	6670
MANITOBA	3066	1751	3699	1728	9022	2802	1900	3002	26970
SASKATCHEWAN	97	86	387	159	1351	106	221	594	3001
ALBERTA	163	129	368	163	2263	160	179	157	3582
BRITISH COLUMBIA	94	51	216	104	1410	92	101	147	2215
YUKON	1	0	11	0	49	2	3	7	73
N. W. T.	8	1	24	24	122	20	12	46	257
OTHER	280	235	421	126	5450	90	87	146	6835
TOTAL	4043	2445	5735	2633	26061	3513	2632	5433	52495

TABLE C2. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1979 - 1980

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	7	1	14	10	106	5	3	203	349
P. E. I.	6	0	0	1	68	0	0	22	97
NOVA SCOTIA	12	4	31	92	307	25	4	154	629
NEW BRUNSWICK	8	0	42	20	155	13	1	82	321
QUEBEC	43	5	34	32	548	17	2	43	724
ONTARIO	285	107	408	209	4321	186	99	734	6349
MANITOBA	2990	1814	3906	2108	7281	2885	1975	4011	26970
SASKATCHEWAN	182	125	630	129	1656	136	354	1088	4300
ALBERTA	639	248	1278	433	6406	467	546	915	10932
BRITISH COLUMBIA	333	154	725	265	5889	301	225	624	8516
YUKON	0	1	3	1	58	8	9	20	100
N. W. T.	15	0	14	11	114	13	15	55	237
OTHER	109	40	170	48	1368	41	28	131	1935
TOTAL	4629	2499	7255	3359	28277	4097	3261	8082	61459

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE C3. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1980 - 1981

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	14	16	25	11	118	6	5	380	575
P. E. I.	0	0	14	4	63	2	0	24	107
NOVA SCOTIA	10	6	56	46	346	10	1	117	592
NEW BRUNSWICK	4	2	72	43	243	12	3	60	439
QUEBEC	48	12	40	45	618	18	9	51	841
ONTARIO	332	149	485	198	4767	189	141	774	7035
MANITOBA	2809	1456	3563	1881	8751	2633	1685	3145	25923
SASKATCHEWAN	126	33	406	126	1518	103	227	717	3256
ALBERTA	218	112	530	196	2590	204	286	219	4355
BRITISH COLUMBIA	180	71	271	109	2002	100	84	129	2946
YUKON	6	0	4	1	45	5	2	6	69
N. W. T.	6	0	25	2	136	27	8	49	253
OTHER	325	205	353	105	5221	120	49	175	6553
TOTAL	4078	2062	5844	2767	26418	3429	2500	5846	52944

TABLE C4. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1980 - 1981

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	15	7	7	16	105	2	1	194	347
P. E. I.	0	0	10	1	39	5	2	5	62
NOVA SCOTIA	19	0	63	38	292	23	6	87	528
NEW BRUNSWICK	21	3	74	19	178	1	8	45	349
QUEBEC	27	8	48	44	522	23	14	48	734
ONTARIO	239	91	383	246	4023	189	90	564	5825
MANITOBA	3180	1885	3695	1900	7002	2785	1925	3551	25923
SASKATCHEWAN	175	116	634	172	1676	121	342	847	4083
ALBERTA	570	359	1308	440	5719	454	509	614	9973
BRITISH COLUMBIA	371	195	553	217	5067	298	222	686	7609
YUKON	9	2	8	1	47	2	5	21	95
N. W. T.	8	0	23	9	131	16	16	63	266
OTHER	81	36	125	69	1299	52	8	123	1793
TOTAL	4715	2702	6931	3172	26100	3971	3148	6848	57587

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE C5. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1981 - 1982

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	12	10	37	15	146	9	4	210	443
P. E. I.	4	0	17	25	54	6	0	7	113
NOVA SCOTIA	14	1	64	57	350	25	10	144	665
NEW BRUNSWICK	8	3	104	23	224	11	0	36	409
QUEBEC	42	26	72	46	699	12	13	75	985
ONTARIO	299	189	523	204	4427	181	79	574	6476
MANITOBA	2758	1215	3292	1560	8552	2894	1646	2593	24510
SASKATCHEWAN	112	79	425	161	1535	80	293	592	3277
ALBERTA	301	149	741	213	2916	279	335	192	5126
BRITISH COLUMBIA	176	94	327	143	2627	120	144	173	3804
YUKON	4	0	2	3	32	5	13	10	69
N. W. T.	14	0	19	7	134	8	13	39	234
OTHER	277	95	349	70	4046	100	47	235	5219
TOTAL	4021	1861	5972	2527	25742	3730	2597	4880	51330

TABLE C6. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1981 - 1982

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	10	14	11	14	68	7	0	289	413
P. E. I.	0	1	9	13	30	10	0	20	83
NOVA SCOTIA	11	11	57	41	301	12	2	48	483
NEW BRUNSWICK	8	1	75	39	172	11	12	50	368
QUEBEC	29	16	34	62	500	10	7	46	704
ONTARIO	237	89	503	207	3834	164	68	647	5749
MANITOBA	2867	1256	3486	1802	7242	2443	1564	3850	24510
SASKATCHEWAN	147	135	663	172	1486	107	244	839	3793
ALBERTA	412	401	1065	304	4447	272	337	566	7804
BRITISH COLUMBIA	214	102	437	147	2889	117	85	413	4404
YUKON	6	5	15	2	34	9	3	25	99
N. W. T.	5	1	25	9	157	18	15	96	326
OTHER	59	20	159	33	1192	31	15	48	1557
TOTAL	4005	2052	6539	2845	22352	3211	2352	6937	50293

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE C7. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1982 - 1983

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	13	4	18	8	106	2	1	55	207
P. E. I.	2	2	1	9	27	1	7	12	61
NOVA SCOTIA	15	0	69	28	276	16	11	52	467
NEW BRUNSWICK	23	5	80	9	200	30	1	25	373
QUEBEC	37	12	69	51	720	26	18	39	972
ONTARIO	317	157	463	252	3957	152	114	447	5859
MANITOBA	2624	1079	3189	1488	7008	2517	1513	2371	21789
SASKATCHEWAN	104	61	489	128	1372	115	288	577	3134
ALBERTA	332	234	819	226	3263	275	440	178	5767
BRITISH COLUMBIA	165	72	318	174	2025	170	156	170	3250
YUKON	1	1	7	9	57	7	8	14	104
N. W. T.	21	0	16	6	144	10	8	55	260
OTHER	225	136	273	100	3542	97	65	116	4554
TOTAL	3879	1763	5811	2488	22697	3418	2630	4111	46797

TABLE C8. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1982 - 1983

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	2	10	21	12	113	4	7	185	354
P. E. I.	4	0	2	16	25	4	0	13	64
NOVA SCOTIA	15	0	20	39	285	15	4	73	451
NEW BRUNSWICK	7	2	44	20	185	9	8	71	346
QUEBEC	34	7	29	15	349	12	4	56	506
ONTARIO	246	133	374	247	3727	155	61	431	5374
MANITOBA	2512	1290	2890	1568	6915	2125	1388	3101	21789
SASKATCHEWAN	153	102	462	110	1411	93	247	692	3270
ALBERTA	211	147	429	184	2576	141	185	329	4202
BRITISH COLUMBIA	102	34	300	86	2103	94	91	248	3058
YUKON	8	0	3	0	30	8	0	17	66
N. W. T.	13	1	19	14	109	9	9	45	219
OTHER	60	39	105	31	1132	59	7	45	1478
TOTAL	3367	1765	4698	2342	18960	2728	2011	5306	41177

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE C9. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1983 - 1984

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	6	5	27	5	106	10	0	120	279
P. E. I.	5	0	8	19	22	6	0	16	76
NOVA SCOTIA	10	0	58	46	285	22	7	51	479
NEW BRUNSWICK	18	1	99	24	187	11	7	15	362
QUEBEC	31	11	68	64	629	32	4	31	870
ONTARIO	176	143	416	147	3375	173	54	264	4748
MANITOBA	2975	1043	2775	1412	7143	2556	1337	1990	21231
SASKATCHEWAN	88	94	377	147	1401	107	235	803	3252
ALBERTA	293	142	647	220	2940	168	259	216	4885
BRITISH COLUMBIA	148	70	285	93	1572	88	105	123	2484
YUKON	2	0	9	3	39	0	3	26	82
N. W. T.	5	7	15	7	115	13	10	42	214
OTHER	197	98	208	94	3147	110	34	51	3939
TOTAL	3954	1614	4992	2281	20961	3296	2055	3748	42901

TABLE C10. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1983 - 1984

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	10	5	17	10	55	1	6	65	169
P. E. I.	6	0	3	15	33	0	0	5	62
NOVA SCOTIA	6	0	72	49	338	31	1	62	559
NEW BRUNSWICK	10	0	94	13	143	12	2	32	306
QUEBEC	54	8	31	22	402	22	6	39	584
ONTARIO	242	103	413	224	3983	138	75	449	5627
MANITOBA	2600	1400	3068	1512	6960	1947	1173	2571	21231
SASKATCHEWAN	86	59	476	143	1332	73	244	609	3022
ALBERTA	172	116	395	160	2262	126	164	187	3582
BRITISH COLUMBIA	135	56	254	87	2267	82	93	208	3182
YUKON	0	0	3	1	22	1	4	12	43
N. W. T.	17	0	25	8	119	15	15	57	256
OTHER	82	31	190	75	1197	42	12	39	1668
TOTAL	3420	1778	5041	2319	19113	2490	1795	4335	40291

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE C11. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1984 - 1985

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	10	0	31	2	121	5	10	184	363
P. E. I.	0	0	8	4	46	2	0	4	64
NOVA SCOTIA	5	4	63	36	314	6	7	56	491
NEW BRUNSWICK	10	0	99	17	157	2	2	39	326
QUEBEC	41	8	66	47	547	23	6	33	771
ONTARIO	259	138	421	191	3303	117	59	329	4817
MANITOBA	2988	1131	3062	1481	7547	2586	1317	1840	21952
SASKATCHEWAN	166	63	477	115	1319	50	243	353	2786
ALBERTA	198	154	499	129	2821	215	199	188	4403
BRITISH COLUMBIA	133	61	246	53	1753	102	58	194	2600
YUKON	4	0	4	2	43	10	10	6	79
N. W. T.	7	7	14	8	135	16	24	71	282
OTHER	148	152	243	69	2798	47	45	57	3559
TOTAL	3969	1718	5233	2154	20904	3181	1980	3354	42493

TABLE C12. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1984 - 1985

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	1	4	21	19	91	6	3	68	213
P. E. I.	3	0	8	7	46	0	0	7	71
NOVA SCOTIA	15	5	48	65	318	33	4	71	559
NEW BRUNSWICK	2	2	94	19	157	7	3	39	323
QUEBEC	36	2	30	39	528	15	9	36	695
ONTARIO	235	107	428	239	4450	163	82	428	6132
MANITOBA	2744	1291	3181	1422	7142	2160	1412	2600	21952
SASKATCHEWAN	86	87	520	127	1141	88	232	580	2861
ALBERTA	134	118	478	136	2010	106	158	162	3302
BRITISH COLUMBIA	123	75	304	89	2162	97	99	130	3079
YUKON	6	0	7	0	12	10	3	4	42
N. W. T.	10	10	54	2	112	16	13	83	300
OTHER	41	26	133	27	987	17	5	19	1255
TOTAL	3436	1727	5306	2191	19156	2718	2023	4227	40784

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE C13. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1985 - 1986

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	3	1	46	14	104	3	3	109	283
P. E. I.	0	0	11	2	46	3	0	5	67
NOVA SCOTIA	11	1	48	32	394	13	5	64	568
NEW BRUNSWICK	12	1	98	25	236	18	4	20	414
QUEBEC	19	7	74	59	438	13	3	32	645
ONTARIO	290	149	416	175	3756	174	48	263	5271
MANITOBA	3446	1339	3396	1458	8512	3069	1331	3164	25715
SASKATCHEWAN	176	96	460	137	1622	139	227	419	3276
ALBERTA	212	116	400	115	2423	202	170	133	3771
BRITISH COLUMBIA	89	38	234	91	1779	98	56	215	2600
YUKON	6	1	3	10	25	4	8	3	60
N. W. T.	16	1	15	5	224	25	23	46	355
OTHER	115	135	276	48	3113	47	41	64	3839
TOTAL	4395	1885	5477	2171	22672	3808	1919	4537	46864

TABLE C14. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1985 - 1986

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	9	0	16	3	63	4	0	82	177
P. E. I.	13	1	9	10	34	6	0	4	77
NOVA SCOTIA	26	4	61	37	296	7	6	96	533
NEW BRUNSWICK	11	4	115	11	153	14	2	24	334
QUEBEC	36	9	58	31	608	21	8	50	821
ONTARIO	264	105	555	205	5000	174	73	731	7107
MANITOBA	2950	1657	3448	1806	8240	2521	1882	3211	25715
SASKATCHEWAN	56	74	512	127	1110	68	294	498	2739
ALBERTA	162	117	602	209	2331	125	236	269	4051
BRITISH COLUMBIA	124	65	234	70	2550	118	100	228	3489
YUKON	1	0	0	0	20	7	0	21	49
N. W. T.	17	1	13	9	130	4	14	42	230
OTHER	57	5	329	36	809	11	20	32	1299
TOTAL	3726	2042	5952	2554	21344	3080	2635	5288	46621

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE C15. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1986 - 1987

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	5	8	19	3	142	6	7	130	320
P. E. I.	1	1	2	20	28	4	0	5	61
NOVA SCOTIA	7	2	70	51	292	17	5	69	513
NEW BRUNSWICK	20	0	95	27	254	9	4	30	439
QUEBEC	20	6	63	49	543	6	15	26	728
ONTARIO	234	134	415	164	3771	106	99	256	5179
MANITOBA	3766	1230	3881	1520	9390	3449	1678	3647	28561
SASKATCHEWAN	124	64	439	115	1631	109	234	349	3065
ALBERTA	202	129	462	221	2824	146	184	166	4334
BRITISH COLUMBIA	108	39	250	92	1900	78	82	202	2751
YUKON	1	0	0	5	40	3	6	0	55
N. W. T.	27	11	67	8	175	2	25	84	399
OTHER	195	221	203	58	3271	39	16	77	4080
TOTAL	4710	1845	5966	2333	24261	3974	2355	5041	50485

TABLE C16. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1986 - 1987

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	29	5	13	2	77	0	5	134	265
P. E. I.	0	0	9	5	39	0	1	1	55
NOVA SCOTIA	32	0	58	62	335	9	8	76	580
NEW BRUNSWICK	17	0	168	25	173	3	9	29	424
QUEBEC	24	5	53	53	481	20	5	29	670
ONTARIO	315	158	561	235	5336	177	68	673	7523
MANITOBA	2903	1454	3884	1735	9235	2721	1923	4706	28561
SASKATCHEWAN	129	61	540	100	1075	131	251	625	2912
ALBERTA	174	105	551	136	2006	143	184	210	3509
BRITISH COLUMBIA	245	80	372	140	2997	159	74	266	4333
YUKON	19	2	4	0	19	3	2	5	54
N. W. T.	3	6	23	2	150	1	3	90	278
OTHER	58	12	247	82	1311	42	25	56	1833
TOTAL	3948	1888	6483	2577	23234	3409	2558	6900	50997

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE C17. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1987 - 1988

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	14	2	15	16	125	5	6	112	295
P. E. I.	1	0	4	1	24	0	0	3	33
NOVA SCOTIA	22	4	52	29	353	4	1	60	525
NEW BRUNSWICK	37	9	131	15	552	14	0	30	788
QUEBEC	36	4	74	33	484	7	9	21	668
ONTARIO	210	127	316	166	3579	130	67	224	4819
MANITOBA	3798	1095	3479	1642	9654	3954	1820	3772	29214
SASKATCHEWAN	134	66	463	123	1961	172	223	511	3653
ALBERTA	198	140	438	173	2467	153	183	267	4019
BRITISH COLUMBIA	101	45	259	112	1519	62	52	199	2349
YUKON	1	1	13	4	35	6	0	20	80
N. W. T.	12	3	9	14	181	19	7	92	337
OTHER	204	290	219	118	3849	41	16	53	4790
TOTAL	4768	1786	5472	2446	24783	4567	2384	5364	51570

TABLE C18. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1987 - 1988

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	0	5	33	12	134	9	1	171	365
P. E. I.	8	0	6	3	49	3	4	10	83
NOVA SCOTIA	13	2	64	58	356	48	1	84	626
NEW BRUNSWICK	9	20	102	33	167	12	0	48	391
QUEBEC	31	11	59	37	554	38	1	42	773
ONTARIO	255	119	583	254	6010	298	134	855	8508
MANITOBA	2981	1444	3915	1730	9538	2795	2100	4711	29214
SASKATCHEWAN	98	97	485	148	1067	103	208	467	2673
ALBERTA	143	114	568	196	2460	171	198	187	4037
BRITISH COLUMBIA	147	93	433	172	4072	240	114	308	5579
YUKON	4	0	1	2	34	1	6	9	57
N. W. T.	5	4	24	29	133	3	14	137	349
OTHER	67	20	223	74	1183	71	16	38	1692
TOTAL	3761	1929	6496	2748	25757	3792	2797	7067	54347

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE C19. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1988 - 1989

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	5	6	31	8	83	3	4	82	222
P. E. I.	0	1	12	13	42	1	0	5	74
NOVA SCOTIA	8	2	68	17	295	6	6	65	467
NEW BRUNSWICK	7	0	70	25	229	1	0	27	359
QUEBEC	48	1	72	26	496	43	6	38	730
ONTARIO	243	132	370	146	3714	164	65	193	5027
MANITOBA	3689	1245	3967	1638	9791	3608	1720	4508	30166
SASKATCHEWAN	141	57	555	128	1452	147	285	619	3384
ALBERTA	138	83	449	132	1968	152	127	193	3242
BRITISH COLUMBIA	80	56	188	102	1501	72	80	151	2230
YUKON	3	2	8	1	19	8	11	24	76
N. W. T.	14	6	20	2	146	21	12	52	273
OTHER	160	262	159	74	4086	27	25	72	4865
TOTAL	4536	1853	5969	2312	23822	4253	2341	6029	51115

TABLE C20. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1988 - 1989

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	0	3	21	9	101	0	1	146	281
P. E. I.	0	0	3	2	45	0	0	7	57
NOVA SCOTIA	3	3	77	50	412	7	7	82	641
NEW BRUNSWICK	22	5	95	14	240	14	4	47	441
QUEBEC	37	3	63	49	668	18	5	40	883
ONTARIO	336	200	669	251	5849	184	100	592	8181
MANITOBA	3008	1680	4108	1855	9422	3024	2019	5050	30166
SASKATCHEWAN	111	69	574	160	1107	156	251	457	2885
ALBERTA	217	180	917	259	3203	156	249	264	5445
BRITISH COLUMBIA	254	138	447	149	4453	247	112	387	6187
YUKON	5	9	15	0	41	2	5	9	86
N. W. T.	14	9	36	13	156	23	20	39	310
OTHER	39	30	173	55	1326	11	9	41	1684
TOTAL	4046	2329	7198	2866	27023	3842	2782	7161	57247

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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TABLE C21. ESTIMATED TOTAL IN-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1979/80 TO 1988/89 AVERAGE

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	9	6	28	9	121	6	4	176	358
P. E. I.	1	1	9	11	38	3	1	9	73
NOVA SCOTIA	12	2	58	41	332	14	6	79	543
NEW BRUNSWICK	16	2	94	23	254	13	2	35	439
QUEBEC	35	10	64	46	605	21	9	41	829
ONTARIO	263	148	423	183	3931	154	84	403	5590
MANITOBA	3192	1258	3430	1581	8537	3007	1595	3003	25603
SASKATCHEWAN	127	70	448	134	1516	113	248	553	3208
ALBERTA	226	139	535	179	2648	195	236	191	4348
BRITISH COLUMBIA	127	60	259	107	1809	98	92	170	2723
YUKON	3	1	6	4	38	5	6	12	75
N. W. T.	13	4	22	8	151	16	14	58	286
OTHER	213	183	270	86	3852	72	43	105	4823
TOTAL	4235	1883	5647	2411	23832	3717	2339	4834	48899

TABLE C22. ESTIMATED TOTAL OUT-MIGRATION FOR MANITOBA BY ORIGIN AND ECONOMIC REGION: 1979/80 TO 1988/89 AVERAGE

ORIGIN	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	TOTAL
NEWFOUNDLAND	8	5	17	11	91	4	3	154	293
P. E. I.	4	0	6	7	41	3	1	9	71
NOVA SCOTIA	15	3	55	53	324	21	4	83	559
NEW BRUNSWICK	12	4	90	21	172	10	5	47	360
QUEBEC	35	7	44	38	516	20	6	43	709
ONTARIO	265	121	488	232	4653	183	85	610	6638
MANITOBA	2874	1517	3558	1744	7898	2541	1736	3736	25603
SASKATCHEWAN	122	93	550	139	1306	108	267	670	3254
ALBERTA	283	191	759	246	3342	216	277	370	5684
BRITISH COLUMBIA	205	99	406	142	3445	175	122	350	4944
YUKON	6	2	6	1	32	5	4	14	69
N. W. T.	11	3	26	11	131	12	13	71	277
OTHER	65	26	185	53	1180	38	15	57	1619
TOTAL	3905	2071	6190	2697	23132	3334	2536	6215	50080

NOTE: MIGRATION ESTIMATES FROM TAX RECORDS

DATA SOURCE: STATISTICS CANADA SMALL AREA DATA DEVELOPMENT
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APPENDIX D

METHODOLOGY

APPENDIX D: METHODOLOGY

The migration data developed from individual income tax records are estimates of migration flows between census divisions by major age groups:

0 - 17, 18 - 24, 25 - 44, 45 - 64 and 65+

The development of the data involves four main steps:

(1) Geocoding of tax records.

(2) Estimation of non-filing dependents of taxfilers, by age group and sex.

(3) Identification of the number, age group and sex of migrant taxfilers.

(4) Adjustment for the population not covered by the Revenue Canada Taxation System.

STEP 1 - GEOCODING

The geographic coding of the tax records to census divisions is done on the basis of the postal code that forms part of the mailing address. For both 1987 and 1988, over 99% of the records had or were assigned a postal code that is used to code census division. In some cases, other pieces of information were used in place of an available postal code.

STEP 2 - ESTIMATION OF DEPENDENTS

Since the source file has no direct information on the number and characteristics of dependents, this information must be imputed. Up to the 1987-88 period, this was based on the relationship between the dollar value of the total personal exemptions claimed and the number of dependents. A lookup table was established relating an estimate of the average number of dependents by age group and sex to filers in a given age-sex-marital status-total personal exemption class. This lookup table was produced each year using a sample of taxfilers containing information on the exact number of dependents and their relationship to the filer in addition to the characteristics of the filer. Other demographic information such as sex ratios and the age distributions of husbands and wives were also used to distribute dependents by age and sex.

Starting with the period 1988-89, the concept of dependent is replaced with that of non-filing dependent. The imputation is now based on the results of a family linkage system. A married filer who could not be linked to a filing spouse is assigned a non-filing spouse and the age of the filer is used to impute an age to his/her spouse.

Non-filing children are imputed by broad age group using five indicators. The taxfilers and their non-filing dependents account for more than 95% of the total Canadian population.

STEP 3 - MIGRANT TAXFILERS AND DEPENDENTS

The main source file being used contains the basic demographic and geographic information on each taxfiler and covers approximately 80% of the total population aged 18 and over. The migrant taxfilers are identified by comparing current and previous census division of residence. The source file was edited to exclude persons using third party (e.g., accountant) mailing addresses. Starting in 1988-89, the rules were modified to take advantage of spouse's information provided by the family linkage system.

Dependent migrants are then identified based on the assumption that their migration behaviour is the same as that of the filer to whom they are assigned.

STEP 4 - COVERAGE CORRECTION

The final step in the estimation process is an adjustment for coverage done by age and sex, at the census division level. For the period 1986-87, the adjustment ratios were obtained by comparing 1986 census counts to the corresponding combined counts of taxfilers and dependents (i.e., Census/Tax). For intercensal years, the census division adjustment ratios are updated yearly using the change in provincial ratios since the last census. Starting with the 1988-89 period, non-filing dependents are used in place of dependents in the calculation of the ratios. In a few cases where coverage is abnormally high or low, provincial adjustment factors are used in place of the census division ratio.

These adjustment ratios are applied to the out-migrants derived in STEP 3 to obtain an estimate of total migration. The basic assumption is that the population not covered by the taxation system has the same migration rate as that covered by it.

The estimates of international migration were prorated to agree with provincial estimates produced by the Demography Division of Statistics Canada.

AVAILABILITY OF DATA

For the 1976-81 period, migration flows between census divisions were calculated only once. No adjustment was made at the international level although evaluations indicated the estimates of international migration were too low.

For the years 1981-82 to 1984-85, migration estimates from tax records were produced twice a year, the first time using a preliminary tax file from Revenue Canada (available with a 6-9 month time delay) and the second with a more complete tax file (available with a 12-15 month time delay). Because the differences between the two sets of estimates were not large, beginning with the 1985-86 estimates, only the preliminary file was used.